

23 March 1956

1. EQUIPMENT

a. Airframe and Engine

U-2 + J-57 -- P-37 or 31

Proved Performance: Altitude - 71,400 73,300

Range - 4150 NM

Speed - 435/40 K

b. Cameras + Film + Processing Plant

Performance: 24 inch - 20/30 lpm

36 inch - 30/40 lpm

Previous equipment - 8/15

Improvement factor - 3 to 4

Film - New emulsion on mylar

c. Electronic Search Gear



e. Commo and Navigation System

f. Sextant

g. Personal Equipment

h. Fuel -- LF 1A

i. Development and Procurement Procedure

2. ORGANIZATION

a. Function: Development and Procurement Operations Support

b. Project Organisation

Headquarters 90

CIA civilian personnel 196

59

Pilots 30

Detachments (3 at 125) 374

USAF personnel 157

523

Contractor personnel 140

523

c.



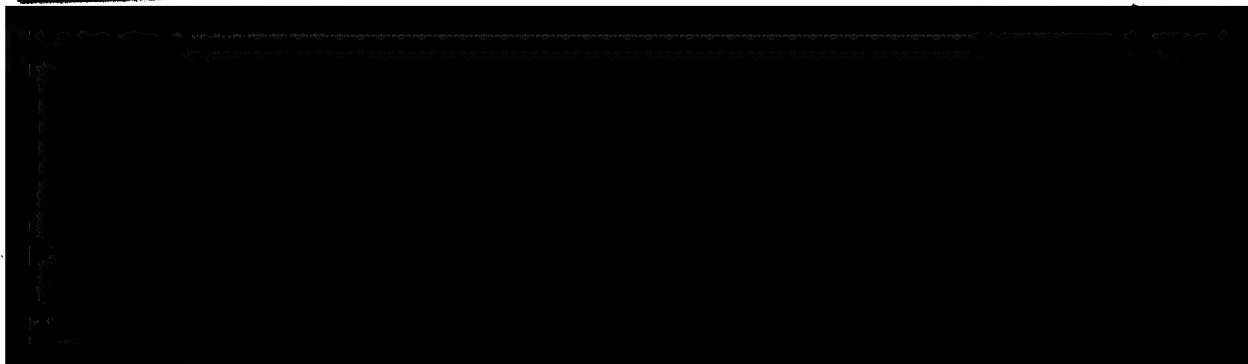
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3. BUDGET

25X1A1a



4. CHRONOLOGY

25X1A6a

Project Authorized - 1 December 1954
[redacted] completed - 20 July 1955
Aircraft flown first - 3 August 1955
First camera flight - 15 September 1955
SAC Mission activated - 1 December 1955
First pilots reported for duty - 15 January 1956
Detachment A activated - 1 March 1956
Deployment - Detachment A - 1 May 1956
Deployment - Detachment B - 1 August 1956
Deployment - Detachment C - 1 November 1956

5. OPERATIONAL CONCEPT

a.



25X6C

Staging Capability
Coverage

b. Intelligence Requirements
Controlling Role of Weather and Seasons

c. Capability: 3 Detachments
5 Aircraft per Detachment
8 Missions per Month per Aircraft
40 Missions per Month per Detachment

d. Initial Exploratory Mission - [redacted]

25X1D0a

e. Close Control from Headquarters

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6. COVER STORY

a. Double Story - Purpose

b.

c.

d. Living Out of These Stories

e. Emergency Procedure

25X1C4a

7. RISK OF LOSS

a. Reliability of Aircraft:

Hours - 907

Number of Flights - 352

Number of Long Range Flights - 39 (six hours or more)

b. Enemy Capability - Limited Detection Capability above 60,000

Little Tracking Capability

No Aircraft Interception above 60,000

Missile (ground to air) Ceiling - 50,000 now,
60,000 in 1 1/2 years

c. Experience Against ADC -

Two Possible Sightings, One Probable, in 280 Hours of
Cross-Country Operations

d. Life of Weapons System -- Urgency

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